

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	479	717/170.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/12 13:37
L2	184	717/172.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/12 13:36
L3	346	717/173.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/12 13:36
L4	609	717/174.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/12 13:36
L5	233	717/175.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/12 13:36
L6	278	717/176.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/12 13:36
L7	233	717/177.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/12 13:36
L8	381	717/178.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/12 13:36
L9	759	717/168.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/12 13:36

## EAST Search History

L11	186	717/169.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/12 13:36
L12	1	717/170.ccls. and (updat\$3 or patch\$3 ) same differenc\$3 same (transmit\$4 or network) and virus	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/12 13:38
L13	2	717/172.ccls. and (updat\$3 or patch\$3 ) same differenc\$3 same (transmit\$4 or network) and virus	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/12 13:38
L14	1	717/173.ccls. and (updat\$3 or patch\$3 ) same differenc\$3 same (transmit\$4 or network) and virus	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/12 13:38
L15	1	717/174.ccls. and (updat\$3 or patch\$3 ) same differenc\$3 same (transmit\$4 or network) and virus	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/12 13:39
L16	1	717/175.ccls. and (updat\$3 or patch\$3 ) same differenc\$3 same (transmit\$4 or network) and virus	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/12 13:39
L17	0	717/176.ccls. and (updat\$3 or patch\$3 ) same differenc\$3 same (transmit\$4 or network) and virus	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/12 13:39
L18	1	717/177.ccls. and (updat\$3 or patch\$3 ) same differenc\$3 same (transmit\$4 or network) and virus	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/12 13:39
L19	1	717/178.ccls. and (updat\$3 or patch\$3 ) same differenc\$3 same (transmit\$4 or network) and virus	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/12 13:39
L20	2	717/168.ccls. and (updat\$3 or patch\$3 ) same differenc\$3 same (transmit\$4 or network) and virus	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/12 13:39

## EAST Search History

L21	2	717/169.ccls. and (updat\$3 or patch\$3 ) same differenc\$3 same (transmit\$4 or network) and virus	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/12 13:40
L22	3	717/169.ccls. and (updat\$3 or patch\$3 ) same bits same (less or fewer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/12 13:40
L23	1	717/168.ccls. and (updat\$3 or patch\$3 ) same bits same (less or fewer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/12 13:40
L24	4	717/17?.ccls. and (updat\$3 or patch\$3 ) same bits same (less or fewer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/12 13:42
L25	51	717/17?.ccls. and (updat\$3 or patch\$3 ) same (catalog or log or file) near3 (architecture or "operating system" or "natural language")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/12 13:43
L26	59	I12 I13 I14 I15 I16 I17 I18 I19 I20 I21 I22 I23 I24 I25	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/12 14:13
L27	2	"6052531".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/12 13:52
L28	2	"6651249".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/12 13:54
L29	2	"6651249".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/12 13:54
L30	34	(I12 I13 I14 I15 I16 I17 I18 I19 I20 I21 I22 I23 I24 I25 ) and (creat\$3 or develop\$3 or generat\$3 ) near3 (patch\$3 or updat\$3 or upgrad\$3 )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/12 14:14

## EAST Search History

S1	2	"6651246".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/09 16:15
S2	2	"6651249".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/09 17:12
S3	8	("5664109" "5845253" "6151581" "6154726").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/09 17:12
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S5	173	("5664109" "5845253" "6151581" "6154726" "20010018739" "20020007400" "4962532" "5337354" "5508817" "5555346" "5557723" "5613108" "5619548" "5694616" "5717923" "5774552" "5781901" "5794210" "5832220" "5892900" "5903880" "5911048" "5917489" "5933811" "5948058" "5960411" "5999967" "6057841" "6073142" "6134685" "6138146" "6145079" "6146026" "6147977" "6161130" "6161181" "6185603" "6199081" "6260059" "6345256" "6363415" "6374237" "6421669" "6460036" "6460050" "6490587" "6493722" "6609196" "3969723" "4558413" "4714992" "4809170" "5155847" "5182806" "5204960" "5479654" "5495610" "5519868" "5566335" "5574906" "5581764" "5649200" "5671398" "5673387" "5699275" "5729743" "5790856" "5799189" "5893113" "5905896" "5909581" "5933647" "5948104" "5960204" "6006034" "6006242" "6035423" "6052531" "6081814" "6092080" "6119165" "6151643" "6349407" "6510552" "6535894" "6651249").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/10 07:23

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S6	18	("5953532" "6088803" "6178551" "6418555" "6484315" "5337354" "6654787" "6771765" ).pn. or "20040133776"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/10 07:54
S7	4	("6654787" "6771765").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/10 08:30
S8	2	("5619648").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/10 08:54
S9	16	(virus near3 protect\$3 ) and detect\$3 and (signature or checksum or crc) and (data or program or database or graphics or bitmap or audio or video or multimedia or file ) and spam and firewall	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/10 09:25
S10	0	"6651249".pn. and ( fingerprint or "finger print" or signature or checksum or crc) and (unwanted or spam) and firewall	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/10 09:26
S11	262119	"6651249".pn. and ( fingerprint or "finger print" or signature or checksum or crc) or (unwanted or spam) or firewall	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/10 09:26
S12	1	"6651249".pn. and (( fingerprint or "finger print" or signature or checksum or crc) or (unwanted or spam) or firewall )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/10 09:30
S13	7813	virus near3 (detect\$3 or protect\$3 or determin\$5 or prevent\$3 ) and (signature or checksum or crc or fingerprint or "finger print" or identifier or identity)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/10 09:32
S14	664	virus near3 (detect\$3 or protect\$3 or determin\$5 or prevent\$3 ) same (signature or checksum or crc or fingerprint or "finger print" or identifier or identity)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/10 09:32

## EAST Search History

S15	233	virus near3 (detect\$3 or protect\$3 or determin\$5 or prevent\$3 ) same (signature or checksum or crc or fingerprint or "finger print" or identifier or identity) and 7??/???.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/10 09:35
S16	27	"virus protection software" and virus near3 (detect\$3 or protect\$3 or determin\$5 or prevent\$3 ) same (signature or checksum or crc or fingerprint or "finger print" or identifier or identity)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/10 09:36
S17	5	(patch\$3 or updat\$3 or upgrad\$3 or version\$3 ) near5 "virus protection software" and virus near3 (detect\$3 or protect\$3 or determin\$5 or prevent\$3 ) same (signature or checksum or crc or fingerprint or "finger print" or identifier or identity)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/10 09:37
S18	28	(patch\$3 or updat\$3 or upgrad\$3 or version\$3 ) near5 "virus protection software" and (signature or checksum or crc or fingerprint or "finger print" or identifier or identity)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/10 09:39
S19	35	(install\$5 or patch\$3 or updat\$3 or upgrad\$3 or version\$3 ) near5 "virus protection software" and (signature or checksum or crc or fingerprint or "finger print" or identifier or identity)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/10 09:53
S20	7	S19 not S18	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/10 09:40
S21	3862	(install\$5 or patch\$3 or updat\$3 or upgrad\$3 or version\$3 ) near5 (virus or protection ) and (( digital near sign\$5 ) or signature or checksum or crc or fingerprint\$3 or "finger print" or identifier or identity of filter\$3 or spam\$4 )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/10 09:55
S22	1747	(install\$5 or patch\$3 or updat\$3 or upgrad\$3 or version\$3 ) near5 (virus or protection ) and (( digital near sign\$5 ) or signature or checksum or crc or fingerprint\$3 or "finger print" or identifier or identity of filter\$3 or spam\$4 ) and (delta or hub or differenc\$3 or diff)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/10 09:56

## EAST Search History

S23	473	(install\$5 or patch\$3 or updat\$3 or upgrad\$3 or version\$3 ) near5 (virus or protection ) and (( digital near sign\$5 ) or signature or checksum or crc or fingerprint\$3 or "finger print" or identifier or identity of filter\$3 or spam\$4 ) and (delta or hub or differenc\$3 or diff) and 7??/???.cccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/10 10:47
S24	435	717/170.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/10 10:48
S25	11	717/170.ccls. and (updat\$3 or patch\$3 or version\$3 or upgrad\$3 ) same (diff or differenc\$3 or delta or hub or changes) same (transmission or transmit\$4 or push\$3 or relay\$2 or download\$3 or send\$3 ) near3 version	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/10 13:30
S26	0	"60947731".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/10 13:27
S27	2	"6094731".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/10 13:27
S28	3	717/168.ccls. and (updat\$3 or patch\$3 or version\$3 or upgrad\$3 ) same (diff or differenc\$3 or delta or hub or changes) same (transmission or transmit\$4 or push\$3 or relay\$2 or download\$3 or send\$3 ) near3 version	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/10 13:31
S29	1	717/169.ccls. and (updat\$3 or patch\$3 or version\$3 or upgrad\$3 ) same (diff or differenc\$3 or delta or hub or changes) same (transmission or transmit\$4 or push\$3 or relay\$2 or download\$3 or send\$3 ) near3 version	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/10 13:31
S30	4	717/171.ccls. and (updat\$3 or patch\$3 or version\$3 or upgrad\$3 ) same (diff or differenc\$3 or delta or hub or changes) same (transmission or transmit\$4 or push\$3 or relay\$2 or download\$3 or send\$3 ) near3 version	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/10 13:31

## EAST Search History

S31	5	717/172.ccls. and (updat\$3 or patch\$3 or version\$3 or upgrad\$3 ) same (diff or differenc\$3 or delta or hub or changes) same (transmission or transmit\$4 or push\$3 or relay\$2 or download\$3 or send\$3 ) near3 version	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/10 13:31
S32	8	717/173.ccls. and (updat\$3 or patch\$3 or version\$3 or upgrad\$3 ) same (diff or differenc\$3 or delta or hub or changes) same (transmission or transmit\$4 or push\$3 or relay\$2 or download\$3 or send\$3 ) near3 version	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/10 13:31
S33	2	717/174.ccls. and (updat\$3 or patch\$3 or version\$3 or upgrad\$3 ) same (diff or differenc\$3 or delta or hub or changes) same (transmission or transmit\$4 or push\$3 or relay\$2 or download\$3 or send\$3 ) near3 version	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/10 13:31
S34	2	717/175.ccls. and (updat\$3 or patch\$3 or version\$3 or upgrad\$3 ) same (diff or differenc\$3 or delta or hub or changes) same (transmission or transmit\$4 or push\$3 or relay\$2 or download\$3 or send\$3 ) near3 version	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/10 13:31
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S36	5	717/177.ccls. and (updat\$3 or patch\$3 or version\$3 or upgrad\$3 ) same (diff or differenc\$3 or delta or hub or changes) same (transmission or transmit\$4 or push\$3 or relay\$2 or download\$3 or send\$3 ) near3 version	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/10 13:32
S37	7	717/178.ccls. and (updat\$3 or patch\$3 or version\$3 or upgrad\$3 ) same (diff or differenc\$3 or delta or hub or changes) same (transmission or transmit\$4 or push\$3 or relay\$2 or download\$3 or send\$3 ) near3 version	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/10 13:32
S38	27	S28 S29 S30 S31 S32 S33 S34 S35 S36 S37	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/10 13:33



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Re

1 [Fast detection of communication patterns in distributed executions](#)

Thomas Kunz, Michiel F. H. Seuren

November 1997 **Proceedings of the 1997 conference of the Centre for A  
on Collaborative research**

**Publisher:** IBM Press

Full text available: [pdf\(4.21 MB\)](#)

Additional Information: [full citation](#), [abstract index terms](#)

Understanding distributed applications is a tedious and difficult task. Vis on process-time diagrams are often used to obtain a better understanding the application. The visualization tool we use is Poet, an event tracer dev University of Waterloo. However, these diagrams are often very comple: the user with the desired overview of the application. In our experience, repeated occurrences of non-trivial commun ...

2 [An approach to support automatic generation of user interfaces](#)

Prasun Dewan, Marvin Solomon

October 1990 **ACM Transactions on Programming Languages and Sys**  
Volume 12 Issue 4

**Publisher:** ACM Press

Full text available: [pdf\(3.55](#)

Additional Information: [full citation](#), [abstract](#)

MB)

citings, index ter

In traditional interactive programming environments, each application in its interaction with the human user. The result is duplication of effort in interface code and nonuniform—hence confusing—input conventions. This is an approach to support automatic generation of user interfaces in environmental algebraic languages. The approach supports the editing model of interaction for the user to view all applications ...

### 3 Query evaluation techniques for large databases



Goetz Graefe

June 1993 **ACM Computing Surveys (CSUR)**, Volume 25 Issue 2

**Publisher:** ACM Press

Full text available: [pdf\(9.37 MB\)](#) Additional Information: [full citation](#), [abstracts](#), [citings](#), [index terms](#)

Database management systems will continue to manage large data volumes. New algorithms for accessing and manipulating large sets and sequences will provide acceptable performance. The advent of object-oriented and external database systems will not solve this problem. On the contrary, modern data models will make the problem worse. In order to manipulate large sets of complex objects as efficiently as possible, database systems must manipulate simple records, query-processing ...

**Keywords:** complex query evaluation plans, dynamic query evaluation plans, database systems, iterators, object-oriented database systems, operator optimization, parallelization, parallel algorithms, relational database systems, set-matching, sort-hash duality

### 4 An execution model for limited ambiguity rules and its application to derivation



I.-Min A. Chen, Richard Hull, Dennis McLeod

December 1995 **ACM Transactions on Database Systems (TODS)**, Volume 20 Issue 4

**Publisher:** ACM Press

Full text available: [pdf\(3.36 MB\)](#) Additional Information: [full citation](#), [abstracts](#), [citings](#), [index terms](#)

A novel execution model for rule application in active databases is developed to solve the problem of updating derived data in a database represented using a semi-structured database model. The execution model is based on the use of "limited

rules" (LARs), which permit disjunction in rule actions. The execution n performs a breadth-first exploration of alternative extensions of a user-re Given an object-based database schema, ...

**Keywords:** active database systems, deltas on database states, derived d ambiguity rules, semantic data models, update propagation

5 Federated database systems for managing distributed, heterogeneous, and a databases



Amit P. Sheth, James A. Larson

September 1990 **ACM Computing Surveys (CSUR)**, Volume 22 Issue 3

**Publisher:** ACM Press

Full text available: pdf(5.02 MB) Additional Information: [full citation](#), [abst citings](#), [index ter](#)

A federated database system (FDBS) is a collection of cooperating datab autonomous and possibly heterogeneous. In this paper, we define a refer distributed database management systems from system and schema view how various FDBS architectures can be developed. We then define a me developing one of the popular architectures of an FDBS. Finally, we disc related to developing and operating an FDBS.

6 Automatic generation of production rules for integrity maintenance



Stefano Ceri, Piero Fraternali, Stefano Paraboschi, Letizia Tanca

September 1994 **ACM Transactions on Database Systems (TODS)**, Vol

**Publisher:** ACM Press

Full text available: pdf(3.42 MB) Additional Information: [full citation](#), [abst citings](#), [index ter](#)

In this article we present an approach to integrity maintenance, consistin generating production rules for integrity enforcement. Constraints are ex formulas of Domain Relational Calculus; they are automatically translat repair actions, encoded as production rules of an active database system. may be redundant (they enforce the same constraint in different ways) ar (because repairing one constraint may caus ...

**Keywords:** automatic generation of production rules

7 Chiron-1: a software architecture for user interface development, maintenance and support



Richard N. Taylor, Kari A. Nies, Gregory Alan Bolcer, Craig A. MacFarlane, Anderson, Gregory F. Johnson

June 1995 **ACM Transactions on Computer-Human Interaction (TOCHI)** Issue 2

**Publisher:** ACM Press

Full text available: [pdf\(2.65 MB\)](#) Additional Information: [full citation](#), [abstracts](#), [citations](#), [index terms](#)

The Chiron-1 user interface system demonstrates key techniques that enable the separation of an application from its user interface. These techniques include the control-flow aspects of the application and user interface: they are concurrent and contain many threads. Chiron also separates windowing and look-and-feel from dialogue and abstract presentation decisions via mechanisms employing a layered architecture. To separate application code from user interface code ...

**Keywords:** artists, client-server, concurrency, event-based integration, user interface architectures

8 Human-computer interface development: concepts and systems for its management



H. Rex Hartson, Deborah Hix

March 1989 **ACM Computing Surveys (CSUR)**, Volume 21 Issue 1

**Publisher:** ACM Press

Full text available: [pdf\(7.97 MB\)](#) Additional Information: [full citation](#), [abstracts](#), [citations](#), [index terms](#)

*Human-computer interface management*, from a computer science viewpoint, is the process of developing quality human-computer interfaces, including their design, implementation, execution, evaluation, and maintenance. This survey discusses important concepts of interface management: dialogue independence, structured representation, interactive tools, rapid prototyping, development methodology, and structures. *Dialogue independence* is the ...


9 Pen computing: a technology overview and a vision



André Meyer

July 1995 **ACM SIGCHI Bulletin**, Volume 27 Issue 3

**Publisher:** ACM Press

Full text available:  [pdf\(5.14 MB\)](#) Additional Information: [full citation](#), [abstracts](#)


This work gives an overview of a new technology that is attracting growing public as well as in the computer industry itself. The visible difference in technologies is in the use of a pen or pencil as the primary means of interaction between user and a machine, picking up the familiar pen and paper interface metaphor. It follows a set of consequences that will be analyzed and put into context with existing technologies and visions. Starting with a short historic ...

**10** The family of concurrent logic programming languages

 Ehud Shapiro

September 1989 **ACM Computing Surveys (CSUR)**, Volume 21 Issue 3

**Publisher:** ACM Press

Full text available:  [pdf\(9.62 MB\)](#) Additional Information: [full citation](#), [abstracts](#), [index terms](#)



Concurrent logic languages are high-level programming languages for parallel distributed systems that offer a wide range of both known and novel concurrent programming techniques. Being logic programming languages, they present advantages of the abstract logic programming model, including the logic programs and computations, the convenience of representing data structures in terms and manipulating them using unification, and the amenability to modular

**11** Developing and empirically evaluating robust explanation generators: the I experiments

James C. Lester, Bruce W. Porter

March 1997 **Computational Linguistics**, Volume 23 Issue 1

**Publisher:** MIT Press

Full text available:  [pdf\(2.64 MB\)](#)  Additional Information: [full citation](#), [abstracts](#)  
[Publisher Site](#) [citations](#)

To explain complex phenomena, an explanation system must be able to select from a formal representation of domain knowledge, organize the selected knowledge into multisentential discourse plans, and realize the discourse plans in text. A


have witnessed significant progress in the development of sophisticated mechanisms for explanation, empirical results have been limited. This past seven-year effort to empirically study explanation ge ...

**12 Types and persistence in database programming languages**

◆ Malcolm P. Atkinson, O. Peter Buneman

June 1987 **ACM Computing Surveys (CSUR)**, Volume 19 Issue 2

**Publisher:** ACM Press

Full text available:  [pdf\(7.91 MB\)](#) Additional Information: [full citation](#), [abstracts](#), [index terms](#)

Traditionally, the interface between a programming language and a database is implemented through a set of relatively low-level subroutine calls, or it has required some form of embedding of one language in another. Recently, the necessity of integrating database management techniques has received some long-overdue recognition. A number of attempts have been made to construct programming languages that are integrated database management systems. These languages ...

**13 Special issue: AI in engineering**

◆ D. Sriram, R. Joobhani

April 1985 **ACM SIGART Bulletin**, Issue 92

**Publisher:** ACM Press

Full text available:  [pdf\(8.79 MB\)](#) Additional Information: [full citation](#), [abstracts](#), [index terms](#)


The papers in this special issue were compiled from responses to the announcement of the July 1984 issue of the SIGART newsletter and notices posted over the past year. The interest being shown in this area is reflected in the sixty papers received from twenty countries. About half the papers were received over the computer network.

**14 Building real-time groupware with GroupKit, a groupware toolkit**

◆ Mark Roseman, Saul Greenberg

March 1996 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 3 Issue 1

**Publisher:** ACM Press


Full text available:  [pdf\(2.74 MB\)](#) Additional Information: [full citation](#), [abstracts](#), [index terms](#)

This article presents an overview of GroupKit, a groupware toolkit that has been developed at the University of California, San Diego.

applications for synchronous and distributed computer-based conferencing constructed from our belief that programming groupware should be only building functionally similar single-user systems. We have been able to reduce the implementation complexity of groupware through the key features of GroupKit. A runtime infrastructure


**Keywords:** GroupKit, computer-supported cooperative work, groupware, synchronous groupware, user interface toolkits

**15** IS '97: model curriculum and guidelines for undergraduate degree program systems

 Gordon B. Davis, John T. Gorgone, J. Daniel Cougar, David L. Feinstein, J. Longenecker

December 1996 **ACM SIGMIS Database , Guidelines for undergraduate on Model curriculum and guidelines for undergraduate in information systems IS '97, Volume 28 Issue 1**

**Publisher:** ACM Press

Full text available:  pdf(7.24 MB)


Additional Information: [full citation](#), [citations](#)

**16** Reflections on NoteCards: seven issues for the next generation of hypermedia

 Frank, G. Halasz

July 1988 **Communications of the ACM, Volume 31 Issue 7**

**Publisher:** ACM Press

Full text available:  pdf(2.26 MB)

Additional Information: [full citation](#), [abstracts](#), [citations](#), [index terms](#)


NoteCards, developed by a team at Xerox PARC, was designed to support transforming a chaotic collection of unrelated thoughts into an integrated interpretation of ideas and their interconnections. This article presents NoteCards against which to explore some of the major limitations of the current generation of hypermedia systems, and characterizes the issues that must be addressed in the next generation systems.

**17** Concepts and paradigms of object-oriented programming

 Peter Wegner

August 1990 **ACM SIGPLAN OOPS Messenger**, Volume 1 Issue 1

**Publisher:** ACM Press

Full text available:  [pdf\(5.52 MB\)](#) Additional Information: [full citation](#), [abst terms](#)

We address the following questions for object-oriented programming: *What are its goals? What are its origins? What are its paradigms? What are its design models of concurrency? What are its formal computational models of object-oriented programming?* Starting from software engineering goals, origins and paradigms of object-oriented programming, explore its language alternatives ...


18 [Using witness generators to support bi-directional update between object-b](#)  
(extended abstract)



Ti-Pin Chang, Richard Hull

May 1995 **Proceedings of the fourteenth ACM SIGACT-SIGMOD-SIG  
on Principles of database systems**

**Publisher:** ACM Press

Full text available:  [pdf\(1.19 MB\)](#) Additional Information: [full citation](#), [reference index terms](#)

19 [Updating systems development courses to incorporate fourth generation tools](#)



Carol Chrisman, Barbara Beccue

March 1985 **ACM SIGCSE Bulletin , Proceedings of the sixteenth SIGCSE  
symposium on Computer science education SIGCSE '85, '86**

**Publisher:** ACM Press

Full text available:  [pdf\(554.58 KB\)](#) Additional Information: [full citation](#), [reference index terms](#)


20 [A high-level and flexible framework for implementing multiuser user interfaces](#)



Prasun Dewan, Rajiv Choudhary

October 1992 **ACM Transactions on Information Systems (TOIS)**, Vol 10

**Publisher:** ACM Press

Full text available:  [pdf\(2.82 MB\)](#) Additional Information: [full citation](#), [abstracts, citations, index terms](#)

We have developed a high-level and flexible framework for supporting multiuser interfaces. The framework is based on a generalized editing in which allows users to view programs as active data that can be concurrently edited by multiple users. It consists of several novel components including a refined Seeheim UIMS architecture and the distributed graphics architecture that addresses multiuser interaction; the abstractions of sha ...

**Keywords:** computer-supported cooperative work, editing, groupware, user interface management systems

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**IEEE JNL** IEEE Journal  
or Magazine

**IEEE CNF** IEEE  
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**IEEE CNF** IEEE  
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**IEEE STD** IEEE  
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**IEEE JNL** IEEE Journal or Magazine

**IEEE CNF** IEEE Conference Proceeding

**IEEE CNF** IEEE Conference Proceeding

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... **An Update**. Walter W. McMahon\*. This article

develops a method for estimating current

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SH Belle, KC Beringer, KM Detre - Clin Transpl, 1995 - ncbi.nlm.nih.gov

An **update** on liver transplantation in the United States: recipient characteristicsand ... to those of previous years and no significant **differences** were found ...Cited by 55 - Related Articles - Cached - Web Search - BL DirectOn the difference between updating a knowledge base

and revising it

H Katsuno, A Mendelzon - Belief Revision, 1992 -  
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Gardenfors ... Mendelzon - 1991 BibTeX entry:

(**Update**) H. Katsuno ... On the **difference** between  
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Performance: An **Update** - group of 3 »

EA Hanushek - Educational Evaluation and Policy  
Analysis, 1997 - JSTOR

... Resources on Student Performance: An **Update** Eric  
A ... to the omission of measures of  
**state differences** in school ... and on whether samples  
are drawn across **states**. ...

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Declines in Teenage Birth Rates, 1991–98: **Update** of  
National and State Trends - group of 12 »

SJ Ventura, TJ Mathews, SC Curtin... - Methods,  
1991 - cdc.gov

... **Update** of National and **State** Trends ... overall  
rates by **State** reflect in part the  
**differences** in the composition of the teenage  
populations of the **States** by race ...

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The 1995 **update** to the atomic mass evaluation -  
group of 4 »

G Audi, AH Wapstra - Nuclear Physics, Section A,  
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... This policy is generalized in this Ame'95 **update**. ...  
for the ground-**states** feed low  
excited **states** in their ... excitation energy value

derived from **differences** in fl ...

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Contraceptive Failure in the United States: An Update  
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J Trussell, RA Hatcher, W Cates Jr, FH Stewart, K ...

- Studies in Family Planning, 1990 - JSTOR

... Contraceptive Failure in the United States: An  
**Update** ... Kost This report provides an

**update** of the ... The **difference** between these two  
probabilities provides a ...

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metabolic rates (BMRs) and physical activity ...  
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PS Shetty, CJK Henry, AE Black, AM Prentice - Eur J  
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Energy requirements of adults: an **update** on basal ...  
the importance of correcting for

**differences** in volume flow of ... McLean (1984)  
**states** that this large error is ...

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Explaining temporal-**differences** to create useful  
concepts for evaluating **states** - group of 2 »

RC Yee, S Saxena, PE Utgoff, AG Barto -

Proceedings of AAAI, 1990 - citeseer.ist.psu.edu

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1985

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H Araki, S Futagami, K Nitoh - IEEE ICC, 1995 - dcl.ee.ncku.edu.tw

... The **patch** must change program by machine code level and the ... Following methods to **update** the **software** in telecommunication systems. Page 10. 10 ...

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[War on the workspace!: supporting continuously changing commercial \*\*software\*\* using a relational ...](#)

EJ Shaw Jr - Proceedings of the conference on Share knowledge share ..., 1998 - portal.acm.org

... is probably fair to say that our **software** lies somewhere ... ourselves and to our users using **update** files. There are three types: test updates, **patch** updates, and ...

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[Jacobian images of super-resolved texture maps for model-based motion estimation and tracking - group of 14 »](#)

F Dellaert, S Thrun, C Thorpe - IEEE Workshop on Applications of Computer Vision (WACV), 1998 - doi.ieeecomputersociety.org

... m . In the case of a planar **patch**, m is ... integrated using the standard KF measurement **update** equations [11 ... x is updated in function of the **difference** between the ...

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Adaptive mesh refinement for wave propagation in nonlinear solids - group of 3 »

JA Trangenstein - SIAM J. Sci. Comput, 1995 - locus.siam.org

... equations of **state**. ... be reduced through the use of high-order **difference** methods;

however ... a small number of rich computational assignments (ie, integrate a **patch**) ...

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A non-stop updating technique for device driver programs on the IROS platform

H Araki, S Futagami, K Nitoh - Communications, 1995.

ICC 95 Seattle, Gateway to ..., 1995 - ieeexplore.ieee.org

... with Conventional methods We also use following methods to **update** the **software** in

telecommunication ... (1) Full-**update** method This ... (2)

**Patch** / partial updating ...

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View caching: Efficient **software** shared memory for dynamic computations - group of 10 »

V Karamcheti, AA Chien - Proceedings of the

International Parallel Processing ..., 1997 - doi.ieeecs.org

... updates requester decides, asynchronous directory

**update** to record reader ... coher-

ence requests to be processed in **software**. ... of an elemental surface **patch** as a ...

Cited by 8 - Related Articles - Web Search

Conductance **states** activated by glycine and GABA in rat cultured spinal neurones - group of 2 »

SM Smith, R Zorec, RN McBurney - Journal of Membrane Biology, 1989 - Springer

... In this **patch**, the 88-pS level, which was not identified in ... Despite this **update** in

the number of **states** observed in mouse neurones to ...

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K Fishburn, S Kimos, DM Agency, MD Bethesda -  
OCEANS'95. MTS/IEEE.'Challenges of Our Changing  
Global ..., 1995 - ieexplore.ieee.org  
... Similarly, **creation** of the **Patch** requires the presence of  
two ... expenditures in the  
realm of hardware and **software**. ... These strengths **create** a  
need, however, for a ...  
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based motion estimation and tracking - group of 14 »](#)  
F Dellaert, S Thrun, C Thorpe - IEEE Workshop on  
Applications of Computer Vision (WACV), 1998 -  
doi.ieeeecomputersociety.org  
... 13], and model-based tracking [4]. By making the  
surface ... In the case of a planar  
**patch**, m is ... integrated using the standard KF measurement  
**update** equations [11 ...  
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dynamic computations - group of 10 »

V Karamcheti, AA Chien - Proceedings of the International Parallel Processing ..., 1997 - doi.ieeeecs.org

... 8, 15, 5] predict access requests and eagerly **create** an object ... that are known not

to change af- ter **creation**. ... coher- ence requests to be processed in **software**. ...

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Patch32: A System for Automated Client OS Updates - group of 3 »

G Carter - Proceedings of the Large Installation System Administration ..., 1998 - usenix.org

... Service Pack is modified to **create** a key ...

HKEY\_LOCAL\_MACHINE **Software** Microsoft Windows CurrentVersion Setup Updates UPD ... for a non-interactive **update** without a ...

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Projective registration with difference decomposition - group of 8 »

M Gleicher - IEEE Conf. of Computer Vision and Pattern Recognition, 1997 - doi.ieeeecs.org

... N is the identity) is the **update** formula for ... as in the previous section, **creating**

connected grids is ... it introduces the piecewise projective **patch**, offer- ing ...

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Corporate memory through cooperative creation of knowledge bases and hyper-documents - group of 6 »

J Euzenat - Proc of KAW, 1996 - inrialpes.fr

Corporate memory through cooperative **creation** of knowledge bases ... instance, the user

wants to **create** a hypertext ... or on economic decision making (for determining ...

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State transition analysis: a rule-based intrusion detection

approach - group of 16 »

K Ilgun, RA Kemmerer, PA Porras - IEEE Transactions on Software Engineering, 1995 - doi.ieeecomputersociety.org ... dependent rules or statistical formulas, making tools that ... by performing the first action (**create file1**) in ... engine table that indicated the **creation** of file1 ...

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## The substrate object model and architecture - group of 9 »

A Banerji, D Kulkarni, J Tracey, D Cohn - Object Orientation in Operating Systems, 1993., Proceedings ..., 1993 - [ieeexplore.ieee.org](http://ieeexplore.ieee.org)

... meet the following three criteria: **Creation** of a ... of the system **software** to **create**

the multiprocessor ... implicit aspects of the environment,  
making them explicit ...

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## Defining an adaptive **software** security metric from a dynamicsoftware failure tolerance measure - group of 3 »

J Voas, A Ghosh, G McGraw, F Charron, K Miller - ...  
'96,'Systems Integrity. **Software Safety**. Process Security'.  
..., 1996 - [ieeexplore.ieee.org](http://ieeexplore.ieee.org)

... for especially clever intruders who **create** men;  
malicious ... pre- ‘Note that “outside  
the **software** system” does ... to a “pen- etrate and **patch**”  
approach. ...

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